

Claims:

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- 1 1. An integrated circuit comprising:
2 a wafer having circuitry disposed thereon;
3 a plurality of conductors coupled to the wafer;
4 a structure that encapsulates and supports the wafer; and
5 magnetic material disposed to alter an inductance associated with at least one
6 of the plurality of conductors.
- 1 2. The integrated circuit of claim 1, wherein the magnetic material is at least
2 partially disposed within the structure.
- 1 3. The integrated circuit of claim 1, wherein the magnetic material is substantially
2 homogeneously disposed throughout the structure.
- 1 4. The integrated circuit of claim 1, wherein at least a portion of the magnetic
2 material is disposed external to the structure.
- 1 5. The integrated circuit of claim 1, wherein the magnetic material comprises a
2 ferromagnetic material.
- 1 6. The integrated circuit of claim 1, wherein the magnetic material comprises a
2 ferrite material.

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- 1 7. The integrated circuit of claim 1, further comprising at least one choke structure
2 formed of the magnetic material, wherein each choke structure associates with at
3 least one respective conductor of the plurality of conductors.
- 1 8. The integrated circuit of claim 1, wherein the magnetic material forms a plurality
2 of choke structures, each of the choke structures being associated with at least
3 one respective conductor of the plurality of conductors
- 1 9. The integrated circuit of claim 7, wherein the structure comprises a dielectric
2 material encapsulating at least a portion of the choke structures.
- 1 10. The integrated circuit of claim 7, wherein at least some of the choke structures
2 are disposed external to the structure.

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